IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent Application Transmittal

Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450



Sir:

Transmitted herewith for filing is the Patent Application of:

Inventor: David J. Chen et al.

For:

LOW POWER DATA STORAGE ELEMENT WITH ENHANCED NOISE

MARGIN

ASSIGNEE NAME: INTERNATIONAL BUSINESS MACHINES CORPORATION ASSIGNEE RESIDENCE: ARMONK, NEW YORK

Enclosed are:

13 Pages of Specification and 1 Abstract

4 Sheets of Drawings

A Declaration and Power of Attorney

An Information Disclosure Statement and form PTO/SB/08A

A certified copy of foreign application

An assignment of the invention to International Business Machines Corporation, Armonk,

New York 10504

The filing fee has been calculated as follows:

Other Than S	Small	Entity
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Rate	Fee		
	\$750.00		
x \$18.00=	\$ 00.00		
x \$84.00=	\$ 84.00		
\$280.00	\$ 00.00		
TOTAL	\$834.00		

For:	No. Filed		No. Extra
Basic Fee			
Total Claims	10	-20 =	0
Indep. Claims	4	-3 =	1
Multiple Dependent Clair	m Prese	nted	

EXPRESS MAIL CERTIFICATE

Express Mail Label No.: ET747048549US

Date:

September 18, 2003

I hereby certify that I am depositing the enclosed or attached paper with the U.S. Postal Service "Express Mail Post Office to Addressee" service on the above date, addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313, 1450.

Nancy Larson

Patent Application Transmittal Attorney Docket No. ROC920030234US1

Deposit Account Authorization:

Please charge Deposit Account No. 09-0465 in the amount of \$834.00. A duplicate copy of this sheet is enclosed.

The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account 09-0465. A duplicate copy of this sheet is enclosed.

Any additional filing fees required under 37 C.F.R. §1.16.

X Any patent application processing fees under 37 C.F.R. §1.17.

Respectfully submitted,

James R. Nock, Senior Attorney

Registration No. 42,937

Date: September 18, 2003

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